

ABSTRACT

High powered lasers of substantially any wavelength produced by certain processes including the process of providing a structure comprising a substrate with an epi structure thereon comprising a gain region with multiple quantum wells, a mirror stack coupled to the gain region, and a conductive layer coupled to the mirror stack; dividing the conductive layer into a conductive, central area and one or more dielectric, peripheral areas; attaching a conductive plate to the conductive layer; thinning the substrate to improve the passage of light therethrough to produce a substrate remnant; and attaching an electrode to the substrate remnant.